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Subject: 10761498

Please ask Ms. Beverly Shears to perform this search.

In application 10761498, please perform a text search for the following claims. Please include an inventors' name search for Francis Michon, Chun-Hsien Huang, and Catherine Uitz.

Claim 1. A polysaccharide-protein conjugate or oligosaccharide-protein conjugate comprising an N-propionated bacterial polysaccharide or N-propionated bacterial oligosaccharide directly coupled to a protein through beta position sites of one or more propionate moieties of the N-propionated polysaccharide or N-propionated oligosaccharide, wherein the N-propionated polysaccharide or N-propionated oligosaccharide directly coupled to the protein elicits protective antibodies reactive with the N-propionated polysaccharide or N-propionated oligosaccharide, wherein the N-propionated polysaccharide or N-propionated oligosaccharide is de-N-acetylated and N-acryloylated, wherein at least 50% of the N-propionated polysaccharide or N-propionated oligosaccharide is de-N-acetylated, and wherein the protein is a bacterial protein or a synthetic protein containing lysine or cysteine residues.

Claim 2. The conjugate of claim 1, wherein the bacterial polysaccharide or the bacterial oligosaccharide is obtained from *Streptococcus* or pneumococcus.

Claim 3. The conjugate of claim 2, wherein the *Streptococcus* is Group B *Streptococcus* (GBS) is selected from the group consisting of type Ia, type Ib, type II, type III, type V, type VIII, and combinations thereof.

Claim 4. The conjugate of claim 1, wherein the protein is tetanus toxoid (TT).

Claim 5. The conjugate of claim 1 wherein the polysaccharide or oligosaccharide comprises a glycosaminoglycan.

Claim 6. The conjugate of claim 1, wherein the polysaccharide or oligosaccharide comprises glycosyl residues of a structural repeating unit having at least one free amino group or N-acyl group.

Claim 7. The conjugate of claim 6, wherein the glycosyl residue is selected from the group consisting of glucosamine, galactosamine, mannosamine, fucosamine, and sialic acid.

Claim 8. The conjugate of claim 1, wherein the N-propionated polysaccharide or oligosaccharide is directly coupled to an epsilon-free amino group of a lysine residue or a thiol group of cysteine residue of the protein.

Claim 9. The conjugate of claim 1 wherein the polysaccharide or oligosaccharide is N-acryloylated using N-acryloyl chloride, acryloyl anhydride, acrylic acid, or a dehydrating agent.

Claim 10. The conjugate of claim 1 wherein the polysaccharide or oligosaccharide is at least 95% N-acryloylated.

Thanx.

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